

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 6

**Complete if Known**

Application Number	10/678,738
Filing Date	October 2, 2003
First Named Inventor	William B. Vail, III
Art Unit	3672
Examiner Name	Frank Tsay
Attorney Docket Number	WEAT/0524

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
FF	A1	US-6,899,772	05-31-2005	Buytaert et al.	
	A2	US-6,899,186	05-31-2005	Galloway et al.	
	A3	US-6,896,075	05-24-2005	Haugen et al.	
	A4	US-6,892,835	05-17-2005	Shahin et al.	
	A5	US-6,877,553	04-12-2005	Cameron	
	A6	US-6,868,906	03-22-2005	Vail, III et al.	
	A7	US-6,837,313	01-04-2005	Hosie, et al.	
	A8	US-6,832,658	12-21-2004	Keast	
	A9	US-6,832,656	12-21-2004	Cameron	
	A10	US-6,776,233	08-17-2004	Meehan	
	A11	US-6,742,584	06-01-2004	Appleton	
	A12	US-6,732,822	05-11-2004	Slack, et al.	
	A13	US-6,719,071	04-13-2004	Moyes	
	A14	US-6,715,430	04-06-2004	Choi, et al.	
	A15	US-6,688,398	02-10-2004	Pietras	
	A16	US-6,679,333	01-20-2004	York, et al.	
	A17	US-6,637,526	10-28-2003	Juhasz, et al.	
	A18	US-6,619,402	09-16-2003	Amory, et al.	
	A19	US-6,595,288	07-22-2003	Mosing, et al.	
	A20	US-6,553,825	04-29-2003	Boyd	
	A21	US-6,540,025	04-01-2003	Scott, et al.	
	A22	US-6,527,493	03-04-2003	Kamphorst, et al.	
7	A23			Ramons, et al.	
	A24			Wardley	

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Sheet 2 of 6

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Attorney Docket Number	WEAT/0524

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<i>7/</i>	A25	US-6,390,190	05-21-2002	Mullins	
<i>7/</i>	A26	US-6,367,552	04-09-2002	Scott, et al.	
<i>7/</i>	A27	US-6,202,764	03-20-2001	Ables, et al.	
<i>7/</i>	A28	US-5,960,881	10-05-1999	Allamon, et al.	
	A29			Harrel, et al.	
	A30			Spedale, Jr.	
	A31			Yuan, et al.	
	A32			Stokka	
	A33			Vail, III	NA
	A34			Budde	
	A35			Holcombe	
	A36			Johnson	
	A37			Thorneer et al.	
	A38			Lee, et al.	
<i>7/</i>	A39	US-5,823,264	10-20-1998	Riggenberg	
	A40			Miller, et al.	
	A41			Keller	
	A42			Mackintosh	
	A43			Newman, et al.	NA
	A44			Castle, et al.	
	A45			Carter, et al.	
	A46			McLeod et al.	
	A47			Richardson, et al.	
<i>7/</i>	A48	US-5,772,514	06-30-1998	Moore	

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		Number - Kind Code <sup>2</sup> (if known)			
77	A49	US-5,735,351	04-07-1988	Helms	
	A50	US-5,730,471	03-24-1998	Schulze-Beckinghausen, et al.	
77	A51	US-5,697,442	12-16-1997	Baldridge	
	A52	US-5,615,747	04-01-1997	Vail, III	
	A53	US-5,584,343	12-17-1996	Coone	
	A54	US-5,580,440	10-01-1996	Tibbitts	
	A55	US-5,458,209	10-17-1995	Hayes, et al.	
	A56	US-5,452,923	09-26-1995	Smith	
	A57	US-5,332,048	07-26-1994	Underwood et al.	
	A58	US-5,282,653	02-01-1994	LaFleur et al.	
	A59	US-5,271,472	12-21-1993	Leturno	
	A60	US-5,085,273	02-04-1992	Coone	
77	A61	US-5,062,756	11-05-1991	McArthur, et al.	
	A62	US-4,915,181	04-10-1990	Labrosse	
	A63	US-4,821,814	04-18-1989	Willis, et al.	
	A64	US-4,778,008	10-18-1988	Gonzalez, et al.	
	A65	US-4,744,426	05-17-1988	Reed	
	A66	US-4,693,316	09-15-1987	Riggenberg, et al.	
	A67	US-4,681,162	07-21-1987	Boyd	
	A68	US-4,678,031	07-07-1987	Blandford, et al.	
	A69	US-4,492,134	01-08-1985	Reinhldt, et al.	
	A70	US-4,489,794	12-25-1984	Boyadjieff	
	A71	US-4,466,498	08-21-1984	Bardwell	
	A72	US-4,463,814	08-07-1984	Horstmeyer et al.	

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Sheet 4 of 6

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Application Number	10/678,738
Filing Date	October 2, 2003
First Named Inventor	William B. Vail, III
Art Unit	3672
Examiner Name	Frank Tsay
Attorney Docket Number	WEAT/0524

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		Number - Kind Code <sup>2</sup> (if known)			
7	A73	US-3,947,009	03-30-1978	Nelmark	
	A74	US-3,915,244	10-28-1975	Brown, deceased	
	A75	US-3,746,330	07-17-1973	Taciuk	
	A76	US-3,662,842	05-16-1972	Bromell	
	A77	US-3,477,527	11-11-1969	Koot	
	A78	US-2,953,408	09-20-1960	Young	
	A79	US-2,536,458	01-02-1951	Munsinger	
	A80	US-2,305,062	12-15-1942	Church, et al.	
	A81	US-2,105,885	01-18-1938	Hinderliter	
	A82	US-1,998,833	04-23-1935	Crowell	
	A83	US-1,830,625	11-03-1931	Schrock	
	A84	US-1,825,026	09-29-1931	Thomas <sup>3</sup>	
	A85	US-1,777,592	10-07-1930	Thomas	
	A86	US-1,728,136	09-10-1929	Power	
	A87	US-1,585,069	05-18-1926	Youle	
	A88	US-1,471,526	10-23-1923	Pickin	
	A89	US-1,418,766	08-06-1922	Wilson	
	A90	US-1,077,772	11-04-1913	Weathersby	
	A91	US-122,514	01-09-1872	Bullock	
	A92	US-Re 34,063	09-15-1992	Vincent, et al.	
V	A93	US-2005-0096846	05-05-2005	Koithan, et al.	
	A94	US-2004-0144547	07-29-2004	Koithan, et al.	
	A95	US-2004-0124010	07-01-2004	Galloway, et al.	
	A96	US-2004-0124011	07-01-2004	Gledhill et al.	
7	A97	US-2004-0118814	06-24-2004	Galloway, et al.	

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Sheet 5 of 6

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Application Number 10/678,738

Filing Date October 2, 2003

First Named Inventor William B. Vail, III

Art Unit 3672

Examiner Name Frank Tsay

Attorney Docket Number WEAT/0524

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77	A98	US-2004-0112603	06-17-2004	Galloway, et al.	
	A99	US-2004-0003490	01-08-2004	Shahin et al.	
1	A100	US-2003-0221519	12-04-2003	Haugen et al.	
	A101	US-2003-0173073	09-18-2003	Snider, et al.	
77	A102	US-2003-0164276	09-04-2003	Snider, et al.	
	A103	US-2002-0170720	11-21-2002	Haugen	
	A104				
	A105				
	A106				
	A107				
	A108				
	A109				
	A110				

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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
77	B1	FR 2741907	08-06-1997	Leighton		
	B2	GB 1 306 568	03-14-1973	Fox		
	B3	GB 2 170 528	08-06-1986	Seabourn		
77	B4	GB 2 223 253	04-04-1990	Arnold, et al.		
	B5	GB 2 240 799	08-14-1991	Mine		
	B6	GB 2 324 108	10-14-1998	Harden, et al.		
77	B7	GB 2 345 074	06-28-2000	Pietras		
	B8	GB 2 372 271	08-21-2002	Sharp		
	B9	GB 2 386 626	09-24-2003	Smith, et al.		
77	B10	GB 2 389 130	12-03-2003	Baker Hughes Inc.		
	B11	WO 00-04269	01-27-2000	Fincher, et al.		
	B12	WO 00-09853	02-24-2000	Reynolds		
77	B13	WO 00-50730	08-31-2000	Tessari		
	B14	WO 03-006790	01-23-2003	Coon, et al.		
	B15	WO 04-022903	03-18-2004	Robichaux, et al.		
77	B16					
	B17					
	B18					
77	B19					
	B20					
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